MONTANA

ANNUAL LOADOMETER SURVEY

1957

STATE HIGHWAY COMMISSION
HIGHWAY PLANNING SURVEY

IN COOPERATION WITH

U. S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

JANUARY 1958

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INTRODUCTION

The Montana Highway Department Planning Survey initially began truck weighing operations for statistical purposes in 1936. These studies were then discontinued until 1942 but since that time have been conducted annually. In order that a more direct year to year comparison of the various data may be made, the field work is scheduled so that each station is operated during the same hours on approximately the same dates each year. In this manner loading trends of commercial vehicles in Montana have been kept current for the ultimate use in highway design.

Plate I on page 2 graphically illustrates truck loading trends by showing the per cent of both loaded and empty trucks in the various weight groups by years.

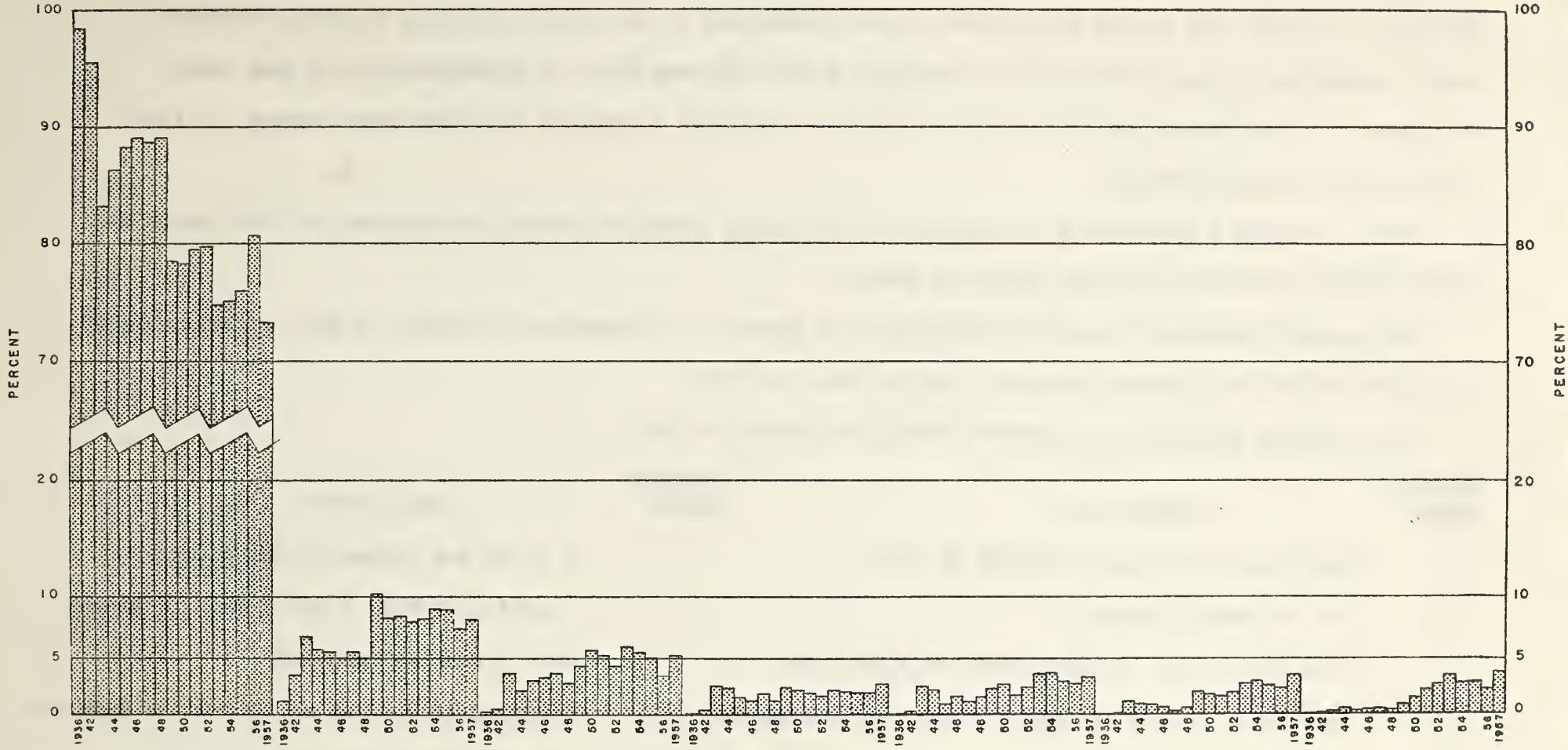
The regular loadometer tables W-1 through W-6 on pages 4 - 15 summarize a variety of data collected during the summer of 1957 and compare them with similar data for 1956.

The following stations were operated during the summer of 1957:

STATION NUMBER	DESCRIPTION	STATION NUMBER	DESCRIPTION
2	Junction U.S. 12 and 310 South of Laurel	7	U.S. 89 and 91 West of Great Falls
3	U.S. 10 West of Laurel	8	Junction of U.S. 2 and 91 West of Shelby
4	Junction of U.S. 10 and 12 East of Miles City	9	U.S. 2 East of Kalispell
5	Junction of U.S. 2 and Mont. 16 North of Culbertson	10	Junction of U.S. 10 and 93 West of Missoula
6	U.S. 2 West of Glasgow	11	U.S. 10 West of Drummond

Station No. 1 on U.S. 10 and 91 west of Butte was not operated in 1957 due to road construction.

MONTANA LOADOMETER SURVEY
TRUCK LOADING TRENDS 1936 - 1957
PERCENT OF LOADED & EMPTY TRUCKS OF ALL TYPES BY WEIGHT GROUPS



UNDER 20,000 LBS. | 20,000 – 29,999 LBS. | 30,000 – 39,999 LBS. | 40,000 – 49,999 LBS | 50,000 – 59,999 LBS | 60,000 – 69,999 LBS | OVER 70,000 LBS

PLATE I
2

AMERICAN ASSOCIATION OF STATE HIGHWAY OFFICIALS
Recommended Truck Loads

No axle shall carry a load in excess of 18,000 pounds. No group of axles shall carry a load in pounds in excess of the value given in the following table corresponding to the distance in feet between the extreme axles of the group measured longitudinally to the nearest foot.

Distance in Feet Between the Extremes of Any Group of Axles	Maximum Load in Pounds Carried On Any Group of Axles	Distance in Feet Between the Extremes of Any Group of Axles	Maximum Load in Pounds Carried On Any Group of Axles
4	32,000	31	53,490
5	32,000	32	54,300
6	32,000	33	55,160
7	32,000	34	55,980
8	32,610	35	56,800
9	33,580	36	57,610
10	34,550	37	58,420
11	35,510	38	59,220
12	36,470	39	60,010
13	37,420	40	60,800
14	38,360	41	61,580
15	39,300	42	62,360
16	40,230	43	63,130
17	41,160	44	63,890
18	42,080	45	64,650
19	42,990	46	65,400
20	43,900	47	66,150
21	44,800	48	66,890
22	45,700	49	67,620
23	46,590	50	69,350
24	47,470	51	69,070
25	48,350	52	69,790
26	49,220	53	70,500
27	50,090	54	71,200
28	50,950	55	71,900
29	51,800	56	72,590
30	52,650	57	73,280

STATE OF MONTANA MAXIMUM LEGAL WEIGHTS OF VEHICLES AND COMBINATIONS OF VEHICLES, AS AMENDED 1953

Permissible Loads: No axle shall carry a load in excess of 18,000 pounds. An axle load shall be defined as the total load transmitted to the road by all wheels whose centers may be included between two parallel transverse vertical planes 40 inches apart, extending across the full width of the vehicle.

Subject to the above limitations, the following schedule of gross weights, in pounds, applies to distance in feet between the extreme axles of any group measured to the nearest foot. If a fraction is exactly one-half foot, the next largest whole number is used.

Distance in Feet Between the Extremes of Any Group of Axles	Maximum Load in Pounds Carried On Any Group of Axles	Distance in Feet Between the Extremes of Any Group of Axles	Maximum Load in Pounds Carried On Any Group of Axles
4	32,000	31	60,350
5	32,000	32	61,200
6	32,200	33	62,050
7	32,900	34	62,900
8	33,600	35	63,750
9	34,300	36	64,600
10	35,000	37	65,450
11	35,700	38	66,300
12	36,400	39	67,150
13	37,100	40	68,000
14	43,200	41	68,000
15	44,000	42	68,000
16	44,800	43	68,000
17	45,600	44	68,000
18	46,400	45	68,000
19	47,200	46	68,800
20	48,000	47	69,600
21	48,800	48	70,400
22	49,600	49	71,200
23	50,400	50	72,000
24	51,200	51	72,800
25	55,250	52	73,600
26	56,100	53	74,400
27	56,950	54	75,200
28	57,800	55	76,000
29	58,650	56	76,400
30	59,500	57	76,800

TABLE W-1

STATE OF MONTANA

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JUNE, 17 TO AUGUST 22, 1957 COMPARED TO CORRESPONDING DATA FOR 1956

STATION NUMBER	ROUTE NUMBER	DESCRIPTION OF STATION LOCATION	YEAR	MONTH & DAY	DAY OF WEEK	HOURS	VEHICLES COUNTED																	TRUCKS & COMBINATIONS WEIGHED														
							PASSENGER CARS		BUSSES - INTERCITY	LT. TRAILERS & PASS. CARS	LT. TRAILERS & OTHER	SINGLE UNIT TRUCKS				TRACTOR SEMI-TR.				OTHER COMBINATIONS			BUSSES - INTERCITY	LT. TRAILERS & PASS. CARS	LT. TRAILERS & OTHER	SINGLE UNITS				TRACTOR SEMI-TR.				OTHER COMBINATIONS		
							LOCAL	FOREIGN				PICK UP & PANELS	2-AXLE 4-TIRED	2-AXLE 6-TIRED	3-AXLE	2S-1	2S-2	3S-1	3S-2	2-2	3-2	2S1-2				PICKUPS	2-AXLE 4-TIRED	2-AXLE 6-TIRED	3-AXLE	2S-1	2S-2	3S-1	3S-2	2-2	3-2	2S-1-2
1	US	East Leg of Junction U.S. 10 & 91 West of Butte	57				Not weighed because of road relocation																													
			56																																	
2	US 12 & 310	North leg of Junction U.S. 12 & 310 near Rockvale	57	8-21	Wed.	6-2	443	202	4	5		70		43	5	10	9		18	2	9							10		23	2	9	8		18	1	9	
				8-20	Tue.	2-10	504	239	4	15		62		23	3	13	6		16		16							13		21		10	6		14		13	
				Total			947	441	8	20		132		66	8	23	15		34	2	25							23		44	2	19	14		32	1	22	
			56	8-7	Tue.	6-2	463	342	5			88	23	85	5	17	13		11	4	11							58	6	51	5	17	13		11	4	10	
				8-6	Mon.	2-10	548	376	8			85	13	70	5	11	14		15	3	11							30	3	67	5	11	13		15	3	11	
				Total			1011	718	13			173	36	155	10	28	27		26	7	22							88	9	118	10	28	26		26	7	21	
3	US	U.S. Just West of Laurel	57	8-19	Mon.	6-2	694	432	4	7	4	135		96	6	31	12		32	3	10				1			14		29	5	28	9		22	1	7	
				8-16	Fri.	2-10	1024	326	8	36	4	136		57	6	17	8	1	34	4	14	2	1					10		32	3	12	5	1	30	1	6	2
				Total			1718	758	12	43	8	271		153	12	48	20	1	66	7	24	2	1	1				24		61	8	40	14	1	52	2	13	2
			56	8-9	Thu.	6-2	571	527	7			106	30	81	4	12	7		28	1	11							36		57	4	12	7		26	1	11	
				8-8	Wed.	2-10	843	397	5			98	16	58	3	15	7		38	1	20							56	2	52	3	14	6		37	1	20	
				Total			1414	924	12			204	46	139	7	27	14		66	2	31							92	2	109	7	26	13		63	2	31	
4	US 10 & 12	Southwest leg Junction US 10 & 12 East of Miles City	57	8-22	Thu.	6-2	456	534	2	20	8	119		58	4	17	7		16		1		1			5		2		19	3	7	7		12		1	
				8-21	Wed.	2-10	1017	492		21	3	139		68	3	14	15		36	2	2							1		14	2	11	15		23			
				Total			1473	1026	2	41	11	258		126	7	31	22		52	2	3		1			5		3		33	5	18	22		35		1	
			56	8-13	Mon.	6-2	548	560	2			111	30	72	2	17	10		15	2	1							52	3	67	1	17	10		14	2	1	
				8-10	Fri.	2-10	1108	544	3			97	21	55		14	9		17	1	2							48	2	52		14	9		17	1	2	
				Total			1656	1104	5			208	51	127	2	31	19		32	3	3							100	5	119	1	31	19		31	3	3	
5	US 2	East Leg of Junction U.S. 2 & Mont. 16 near Culbertson	57	8-12	Mon.	6-2	308	342	1	21	8	56		27	5	2	2		6		1				1	3				13	5	2	2		6			
				8-9	Fri.	2-10	413	254	2	9	9	45		38	2	5	9		14		7					1		1		16		5	9		12			
				Total			721	596	3	30	17	101		65	7	7	11		20		8				1	4		1		29	5	7	11		18			
			56	8-15	Wed.	6-2	234	332				63	4	40	3	7	15		16		4							25	4	40	3	7	15		15		4	
				8-14	Tues.	2-10	351	249				46	13	30	5	6	8		9	1	12							24	10	30	5	6	8		9	1	12	
				Total			585	581				109	17	70	8	13	23		25	1	16							49	14	70	8	13	23		24	1	16	
6	US	U.S. 2 Just West of Glasgow	57	8-6	Tues.	6-2	788	399	3	22	9	244		77	10	13	6		8		6					3		10		22	4	7	5		6		3	
				8-5	Mon.	2-10	1358	411	1	10	11	199		45	6	7	8		8	1	2					3		6		21	3	6	7		6	1	1	
				Total			2146	810	4	32	20	443		122	16	20	14		16	1	8					6		16		43	7	13	12		12	1	4	
			56	8-17	Fri.	6-2	815	376	1			193	9	99	3	8	11		14	1	2							60	3	52	2	7	10		12	1	2	
				8-16	Thu.	2-10	1114	320	1			176	31	71	1	5	14		6	1	4							35	1	21	1	4	13		5	1	4	
				Total			1929	696	2			369	40	170	4	13	25		20	2	6							95	4	73	3	11	23		17	2	6	

TABLE W-1

STATE OF MONTANA

LOCATION AND TIME OF OPERATION OF EACH LOADOMETER STATION, SHOWING NUMBER OF VEHICLES COUNTED AND WEIGHED AT EACH BY TYPE DURING THE PERIOD FROM JUNE, 17 TO AUGUST 22, 1957 COMPARED TO CORRESPONDING DATA FOR 1956

STATION NUMBER	ROUTE NUMBER	DESCRIPTION OF STATION LOCATION	YEAR	MONTH & DAY	DAY OF WEEK	HOURS	VEHICLES COUNTED																	TRUCKS & COMBINATIONS WEIGHED														
							PASSENGER CARS		BUSSES - INTERCITY	LT. TRAILERS & PASS. CARS	LT. TRAILERS & OTHER	SINGLE UNIT TRUCKS				TRACTOR SEMI-TR.				OTHER COMBINATIONS			BUSSES - INTERCITY	LT. TRAILERS & PASS. CARS	LT TRAILERS & OTHER	SINGLE UNITS				TRACTOR SEMI-TR.				OTHER COMBINATIONS		
							LOCAL	FOREIGN				PICK-UP & PANELS	2-AXLE 4-TIRED	2-AXLE 6-TIRED	3-AXLE	2S-1	2S-2	3S-1	3S-2	2-2	3-2	2S1-2				PICK-UPS	2-AXLE 4-TIRED	2-AXLE 6-TIRED	3-AXLE	2S-1	2S-2	3S-1	3S-2	2-2	3-2	2S-1-2
7	US 89 & 91	U.S. 89 & 91 Approx. 1.1 miles West of Great Falls	57	7-25	Thu.	6-2	851	320	4	23	6	179		66	16	17	9	1	30		14	2			1	15		31	13	9	4	1	17		9	2
				7-24	Wed.	2-10	1105	293	5	25	12	149		75	7	7	8		17		13		2		7	10		41	6	6	7		7		8	
				7-9	Tue.	10-6	356	1	1	7	2	17	1	8	10	2	3		5		11	1				3	1	7	8	2	3		4		9	1
				Total			2312	614	10	55	20	345	1	149	33	26	20	1	52		38	3	2		8	28	1	79	27	17	14	1	28		26	3
			56	8-22	Wed.	6-2	916	378	11			195	23	152	31	17	7		39	1	8					29	13	76	31	17	7		39	1	8	
				8-21	Tue.	2-10	1117	377	10			203	30	103	17	14	14		27	4	18					27	10	68	17	10	14		27	4	16	
				8-20	Mon.	10-6	254	46	2			21	3	14	8	1	4		9	1	14						3	5	7	1	4		8		14	
				Total			2287	801	23			419	56	269	56	32	25		75	6	40					56	26	149	55	28	25		74	5	38	
8	US 2	West Leg Junction of U.S. 2 & 91 West of Shelby	57	7-19	Fri.	6-2	357	262	2	14	4	129		50	2	3			14		10							18	1	3			7		5	
				7-18	Thu.	2-10	510	257	2	36	7	92		40	4	2	3		9	1	14					1		16	2	2	2		8	1	8	
				Total			867	519	4	50	11	221		90	6	5	3		23	1	24					1		34	3	5	2		15	1	13	
			56	9-5	Wed.	6-2	283	167	2			139	20	188	3	9	6		12	3	4					17	4	49	2	9	6		12	3	4	
				9-4	Tue.	2-10	403	207	2			156	19	159	5	6	2		6	4	9					19	5	40	5	6	1		6		7	
				Total			686	374	4			295	39	347	8	15	8		18	7	13					36	9	89	7	15	7		18	3	11	
9	US 2	U.S. 2 Approx. 5.0 miles East of Kalispell	57	7-12	Fri.	6-2	370	686	2	52	11	86		34	10	3			9		11			1	2	3	3		22	5				8		10	
				7-15	Mon.	2-10	585	693	5	43	8	86		36	6	2	1	1		1	8			4	1	4	3		14	4	1			1	1	7	
				Total			955	1379	7	95	19	172		70	16	5	1	1	9	1	19			5	3	7	6		36	9	1			9	1	17	
			56	8-29	Wed	6-2	439	413	1			167	41	124	21				9		8					38	10	39	21				9		8	
				8-28	Thu.	2-10	652	495	3			123	63	89	9	4	2		4		2					54	7	69	9	3	1		4		1	
				Total			1091	908	4			290	104	213	30	4	2		13		10					92	17	108	30	3	1		13		9	
10	US 10 & 93	Southeast Leg of Junction U.S. 10 & 93 West of Missoula	57	6-28	Fri.	6-2	579	968	12	55	16	144		88	12	25	5		33		16	3			3	3		31	1	14	1		24		10	3
				7-1	Mon.	2-10	738	953	17	53	17	160		68	6	16	12	1	36	1	15	4			1	8		28	6	8	10	1	19	1	5	4
				Total			1317	1921	29	108	33	304		156	18	41	17	1	69	1	31	7			4	11		59	7	22	11	1	43	1	15	7
			56	8-31	Fri.	6-2	608	1099	11			122	14	121	18	19	8		32		19					11	4	49	18	19	8		32		19	
				8-30	Thu.	2-10	817	937	11			126	9	67	9	17	10		54	1	8					12	2	66	8	17	10		54		8	
				Total			1425	2036	22			248	23	188	27	36	18		86	1	27					23	6	115	26	36	18		86		27	
11	US 10	U.S. 10 Just West of Drummond	57	6-18	Tue.	6-2	492	684	5	38	9	103		43	10	25	5		30		15	4	2	7	9	18		18	10	16	5		26		13	3
				6-19	Wed.	2-10	721	662	11	52	10	95		37	8	27	11	2	53	2	10	2	3	5	2	5		23	8	17	8	2	53		2	2
				Total			1213	1346	16	90	19	198		80	18	52	16	2	83	2	25	6	5	12	11	23		41	18	33	13	2	79		15	5
			56	7-31	Tue.	6-2	538	806	7			114	3	49	11	12	6		34	6	6					12	2	47	11	10	6		34	6	6	
				7-30	Mon.	2-10	625	723	8			117	1	36	6	12	2		36	3	7					44	1	35	4	12	2		36	2	7	
				Total			1163	1529	15			231	4	85	17	24	8		70	9	13					56	3	82	15	22	8		70	8	13	
		TOTAL OF STATIONS	57				13669	9410	95	564	158	2445	1	1077	141	258	139	6	424	17	205	18	14	17	45	136	1	459	91	175	113	5	323	7	126	17
		2 TO 11 INCLUSIVE	56				13247	9671	100			2546	416	1763	169	223	169		431	38	181					687	95	1032	162	213	163		422	31	175	

TABLE W-2

STATE OF MONTANA

NUMBER AND PERCENTAGE OF VEHICLES OF EACH TYPE COUNTED AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957 COMPARED TO CORRESPONDING DATA FOR 1956

TYPE OF VEHICLE	NUMBER COUNTED DURING PERIOD			PERCENTAGE OF TOTAL NUMBER OF VEHICLES			PERCENTAGE OF TOTAL NUMBER OF TRUCKS AND COMBINATIONS			TRUCKS AND COMBINATIONS WEIGHED		PERCENTAGE WEIGHED OF TOTAL COUNTED BY TYPES	
	1957	1956	1957-1956	1957	1956	1957-1956	1957	1956	1957-1956	1957	1956	1957	1956
PASSENGER CARS													
LOCAL	13669	13247	1.0319	47.75	45.75	1.0437							
FOREIGN	9410	9671	0.9730	32.87	33.40	0.9841							
SUB TOTAL PASSENGER CARS	23079	22918	1.0070	80.62	79.15	1.0186							
LIGHT TRAILERS & PASSENGER CARS	564			1.97						17		3.01	
LIGHT TRAILERS & OTHERS	158			0.55						45		28.48	
SUB TOTAL LT. TRLR. & PASS. CARS	722			2.52						62		8.59	
SINGLE-UNIT TRUCKS													
PANEL AND PICKUP (UNDER 1½ TONS)	2445	2546	0.9603	8.54	8.79	0.9716	51.68	42.89	1.2049	136	687	5.56	26.98
OTHER 2 AXLE, 4-TIRED	1	416	0.0024	0.01	1.44	0.0069	0.02	7.01	0.0029	1	95	100.00	22.84
OTHER 2 AXLE, 6-TIRED	1077	1763	0.6109	3.76	6.09	0.6174	22.77	29.70	0.7667	459	1032	42.62	58.54
3 AXLE	141	169	0.8343	0.49	0.58	0.8448	2.98	2.85	1.0456	91	162	64.54	95.86
SUB TOTAL SINGLE-UNIT	3664	4894	0.7487	12.80	16.90	0.7574	77.45	82.45	0.9394	687	1976	18.75	40.38
TRACTOR-SEMITRAILER COMBINATIONS													
2S-1	258	223	1.1570	0.90	0.77	1.1688	5.45	3.75	1.4533	175	213	67.83	95.52
2S-2	139	169	0.8225	0.49	0.58	0.8448	2.94	2.85	1.0316	113	163	81.29	96.45
3S-1	6			0.02			0.13			5		83.33	
3S-2	424	431	0.9838	1.48	1.49	0.9933	8.96	7.26	1.2342	323	422	76.18	97.91
SUB TOTAL TRACTOR-SEMIS COMB.	827	823	1.0049	2.89	2.84	1.0176	17.48	13.86	1.2612	616	798	74.49	96.96
COMBINATIONS INVOLVING FULL TRAILERS													
2-2	17	38	0.4474	0.06	0.13	0.4615	0.36	0.64	0.5625	7	31	41.18	81.58
3-2	205	181	1.1326	0.72	0.63	1.1429	4.33	3.05	1.4197	126	175	61.46	96.69
3-3				0.00									
2S-1-2	18			0.06			0.38			17		94.44	
SUB TOTAL TRUCK-TRAILER COMB.	240	219	1.0959	0.84	0.76	1.1053	5.07	3.69	1.3740	150	206	62.50	94.06
SUB TOTAL ALL COMBINATIONS	1067	1042	1.0240	3.73	3.60	1.0361	22.55	17.55	1.2849	766	1004	71.79	96.35
SUB TOTAL TRUCKS & COMBINATIONS	4731	5936	0.7970	16.53	20.50	0.8063	100.00	100.00	1.0000	1453	2980	30.71	50.20
BUSSES INTERCITY	95	100	0.9500	0.33	0.35	0.9429				14		14.74	
TOTAL VEHICLES	28627	28954	0.9887	100.00	100.00	1.0000							

ABLE W-3

STATE OF MONTANA

NUMBER OF LOADED AND EMPTY VEHICLES COUNTED, AVERAGE TOTAL WEIGHTS, AND AVERAGE EMPTY WEIGHTS OF TRUCKS AND COMBINATIONS OF EACH TYPE AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17, TO AUGUST 22, 1957 COMPARED TO CORRESPONDING DATA FOR 1956

VEHICLE TYPE AND SURVEY YEAR	LOADED & EMPTY VEHICLES		LOADED VEHICLES			EMPTY VEHICLES		
	NUMBER COUNTED	AVERAGE TOTAL WEIGHT	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	ESTIMATED NUMBER LOADED	AVERAGE LOADED WEIGHT	PERCENT OF TOTAL LOADED AND EMPTY OF EACH TYPE	ESTIMATED NUMBER EMPTY	AVERAGE EMPTY WEIGHT
BUSSES	95	22493	85.71	81	23458	14.29	14	16700
LIGHT TRAILERS & PASSENGER CARS 1957	564	7953	100.00	564	7953			
LIGHT TRAILERS & OTHER 1957	158	14535	93.33	147	14952	6.67	11	8700
SINGLE-UNIT TRUCKS, (UNDER 1½TONS CAPACITY)								
Year 1957	2445	5327	54.41	1330	5957	45.59	1115	4576
Year 1956	2546	4694	35.52	904	5505	64.48	1642	4248
SINGLE-UNIT TRUCKS, OTHER 2 AXLE, 4-TIRED								
Year 1957	1	6200	100.00	1	6200			
Year 1956	416	6025	53.68	223	7098	46.32	193	4782
SINGLE-UNIT TRUCKS, OTHER 2 AXLE, 6-TIRED								
Year 1957	1077	13731	74.51	802	15408	25.49	275	8831
Year 1956	1763	11882	59.91	1039	14372	41.09	724	8311
SINGLE-UNIT TRUCKS, 3 AXLE								
Year 1957	141	24866	63.74	90	28938	36.26	51	17709
Year 1956	169	24311	64.20	108	29410	35.80	61	15169
SUB TOTAL, SINGLE-UNIT TRUCKS								
Year 1957	3664	8549	60.67	2223	10297	39.33	1441	5853
Year 1956	4894	8074	46.47	2274	10848	53.53	2620	5664
TRACTOR-SEMITRAILERS, 3 AXLE								
Year 1957	258	29093	77.14	199	32087	22.86	59	18988
Year 1956	223	25484	63.85	142	30316	36.15	81	16949
TRACTOR-SEMITRAILERS (2S-2)								
Year 1957	139	43564	79.65	111	47949	20.35	28	26404
Year 1956	169	38684	65.64	111	46927	34.36	58	22934
TRACTOR-SEMITRAILERS (3S-1)								
Year 1957	6	34240	80.00	5	37625	20.00	1	20700
Year 1956								
TRACTOR-SEMITRAILERS (3S-2)								
Year 1957	424	53963	83.28	353	58753	16.72	71	30100
Year 1956	431	50626	71.80	309	58745	28.20	122	29954
SUB TOTAL, SEMITRAILERS COMBINATIONS								
Year 1957	827	44313	80.77	668	48856	19.23	159	25267
Year 1956	823	41361	68.29	562	49228	31.71	261	24358
COMBINATIONS INVOLVING FULL TRAILERS (2-2)								
Year 1957	17	33371	57.14	10	38100	42.86	7	27067
Year 1956	38	34026	58.06	22	42417	41.94	16	22408
COMBINATIONS INVOLVING FULL TRAILERS (3-2)								
Year 1957	205	61412	74.60	153	72491	25.40	52	28866
Year 1956	181	51714	52.57	95	72539	47.43	86	28631
COMBINATIONS INVOLVING FULL TRAILERS (2S1-2)								
Year 1957	18	55418	76.47	14	62631	23.53	4	31975
Year 1956								
SUB TOTAL, TRUCK TRAILER COMBINATIONS								
Year 1957	240	58976	73.75	177	69768	26.25	63	28864
Year 1956	219	48645	53.42	117	66875	46.58	102	27655
SUB TOTAL, ALL COMBINATIONS								
Year 1957	1067	47611	79.19	845	53236	20.81	222	26288
Year 1956	1042	42819	65.16	679	52269	34.84	363	25284
TOTAL ALL TYPES								
Year 1957	4731	17359	64.85	3068	22123	35.15	1663	8581
Year 1956	5936	14186	49.75	2953	20372	50.25	2983	8052

TABLE W-4

STATE OF MONTANA

NUMBER OF AXLE LOADS OF VARIOUS MAGNITUDES OF LOADED AND EMPTY TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE WEIGHED AND THE PROBABLE NUMBER OF SUCH LOADS OF EACH GENERAL TYPE AND OF ALL TYPES COUNTED AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22 , 1957 COMPARED TO SIMILAR DATA IN 1956.

AXLE LOAD IN POUNDS	BUSSES	PASS. CARS LT. TRAILERS	LT. TRAILERS OTHER	SINGLE UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS										COMBINATIONS INVOLVING FULL TRAILERS								ALL COMBINATIONS		ALL TRUCKS AND COMBINATIONS	
				PANELS & PICKUPS		2 AXLE 4 TIRED		2 AXLE 6 TIRED		3 AXLE		ALL SINGLE UNIT TRUCKS		3 AXLE		2 S 2		3 S 1		3 S 2		ALL TRACTOR SEMI-TRAILER COMBINATIONS		2 - 2		3 - 2		2S1 - 2		ALL TRUCK TRAILER COMBINATIONS					
	1957	1957	1957	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
UNDER 8,000	4	54	121	272	1373	2	190	649	1623	150	276	6647	8981	232	376	144	293	12		387	676	1042	1388	12	59	157	378	20		306	457	1348	1845	7995	10826
8,000 - 8,499	2		1					23	34	9	29	68	88	23	19	24	21			99	135	193	180	4	8	17	35	3		41	53	234	233	302	321
8,500 - 8,999	5		3					20	31	16	24	72	78	11	12	17	28			116	117	189	161	2	2	21	25	4		43	30	232	191	304	269
9,000 - 9,499	2		2		1			6	22	9	17	28	59	13	14	16	24			69	94	130	135		3	26	35	8		51	40	181	175	209	234
9,500 - 9,999	3		1					15	25	5	19	43	62	18	10	16	21	1		55	80	120	114	3	4	33	34	4		65	40	185	154	228	216
10,000 - 10,999	1		1					26	56	15	23	84	120	20	17	12	22			79	108	148	151	1	9	17	5	3		33	17	181	168	265	288
11,000 - 11,999			1					30	45	15	15	94	93	20	24	21	26			105	115	193	170	1		4		4		13		206	170	300	263
12,000 - 12,999	2		4					30	47	11	13	87	94	26	24	23	29			124	178	229	237	1		5	8	7		18	8	247	245	334	339
13,000 - 13,999	1		3					25	50	16	8	83	94	29	36	41	24	5		170	172	322	238			10	19	7		24	20	346	258	429	352
14,000 - 14,999			2					25	46	12	24	77	104	45	35	31	42	2		188	147	354	230		2	42	42	5		74	46	428	276	505	380
15,000 - 15,999	3							22	36	13	18	72	80	35	19	38	42			151	197	297	265		4	116	126	9		198	135	495	400	567	480
16,000 - 16,999								19	25	1	16	46	59	21	19	31	43			47	72	131	138	3	5	44	61	7		86	69	217	207	263	266
17,000 - 17,999	1							17	16			40	27	18	20	21	19			15	6	72	47	1	13	115	93	4		194	112	266	159	306	186
18,000 - 18,999	3							4	6	1	4	11	14	13	12	13	16			1	4	36	33		6	18	14			29	22	65	55	76	69
19,000 - 19,999	1							5				12		1	2	3	1			4	3	10	6			4				6		16	6	22	6
20,000 - 21,999								2	1			5	2			1				3	6	5	6									5	6	10	8
22,000 - 23,999									1				2													1				2		2		2	2
24,000 - 25,999																	1			2		3	1									3	1	3	1
TOTAL AXLES WEIGHED	28	54	139	272	1374	2	190	918	2084	273	486	[illegible]	[illegible]	525	639	452	652	20		1615	2110	[illegible]	[illegible]	28	115	630	875	85	-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL AXLES COUNTED	190	1665	328	4890	5092	2	832	2154	3528	423	507	7469.	9557.	774	669	556	676	24		2120	2155	3474.	3500	68	144	1025	905	90	-	1183	1049.	4657.	4549.	12126	14500.

TABLE W-5

STATE OF MONTANA

NUMBER OF LOADED AND EMPTY TRUCKS AND TRUCK COMBINATIONS OF EACH TYPE OF VARIOUS TOTAL WEIGHTS AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957 COMPARED TO CORRESPONDING DATA FOR 1956.

TOTAL WEIGHT IN POUNDS	BUSSES	LT. TRAILERS & PASS. CARS	LT. TRAILER & OTHER	SINGLE UNIT TRUCKS										TRACTOR-SEMITRAILER COMBINATIONS										COMBINATIONS INVOLVING FULL TRAILERS								ALL COMBINATIONS		ALL TRUCKS AND COMBINATIONS	
				PANELS & PICKUPS UNDER 1-1/2 TONS		OTHER 2 AXLE 4 TIRED		OTHER 2 AXLE 6 TIRED		3 AXLE		ALL SINGLE TRUCKS		3 AXLE		2 S 2		3 S 1		3 S 2		ALL TRACTOR SEMITRAILER COMBINATIONS		2 - 2 ,		3 - 2		2S1-2		ALL TRUCK-TRAILER COMBINATIONS					
	1957	1957	1957	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956
UNDER 6,000		2	2	102	617		54	16	70			1871	2643																					1871	2643
6,000 - 8,000		9	5	23	53	1	27	45	164			520	595												1						1		1	520	596
8,001 - 10,000		4	5	8	13		10	77	226		1	325	479		5								5										5	325	484
10,001 - 12,000	1	1	3	3	3		4	66	137	1	6	210	269	1	2							2	2		1						1	2	3	212	272
12,001 - 14,000			6					51	107	10	20	135	204	2	10		1					3	12		2						2	3	14	138	218
14,001 - 16,000	2		12		1			41	92	8	15	109	177	8	22		1					12	24	1						2		14	24	123	201
16,001 - 18,000		1	3					49	91	5	8	123	164	9	22	1	1					15	24									15	24	138	188
18,001 - 20,000	1		6					50	79	5	11	125	147	8	15	2	7					14	23		1						1	14	24	139	171
20,001 - 22,000	1							27	32	11	13	80	68	17	15	4	10	1		1		33	26		2		1				4	33	30	113	98
22,001 - 24,000	2		1					22	22	7	14	62	52	15	10	1	17				2	23	30	1	4		1			2	6	25	36	87	88
24,001 - 26,000	2							9	10	4	8	27	26	4	17	9	7	1		12	19	34	44		7	7	14			11	23	45	67	72	93
26,001 - 28,000	1		1					4	1	7	11	20	13	9	13	4	11			10	21	31	47	2	1	5	14			13	16	44	63	64	76
28,001 - 30,000	4							1	1	6	14	12	16	7	10	2	8			11	18	27	37		1	12	28			19	30	46	67	58	83
30,001 - 32,000								1		6	3	12	3	23	9	3	7			12	30	53	47			6	21	1		11	22	64	69	76	72
32,001 - 34,000										3	5	5	5	16	13	1	2	1		4	21	31	37			1	3	3		5	3	36	40	41	45
34,001 - 36,000			1							3	5	5	5	15	11	5	5			4	7	34	24		1	1				2	1	36	25	41	30
36,001 - 38,000										8	9	12	9	16	14	1	3			11	7	39	25									39	25	51	34
38,001 - 40,000										4	3	6	3	5	7	8	4			7	6	26	18	1		1		1		5		31	18	37	21
40,001 - 42,000										2	10	3	10	12	9	2	4			9	7	32	21	1		1	1			4	1	36	22	39	32
42,001 - 45,000										1	5	2	5	8	9	8	4			9	12	34	26		1		1				2	34	28	36	33
45,001 - 50,000											1		1			16	17	2		18	31	46	49			1				2		48	49	48	50
50,001 - 55,000																27	23			34	28	78	52			1				2		80	52	80	52
55,001 - 60,000																17	31			38	64	71	98		3	3	1	3		8	5	79	103	79	103
60,001 - 65,000																2				57	56	77	57	1	6	3	3	4		11	11	88	68	88	68
65,001 - 70,000																				49	56	64	57			4	10	2		9	10	73	67	73	67
70,001 - 75,000																				29	33	38	34			32	54	3		55	56	93	90	93	90
75,001 - 80,000																				6	2	8	2			46	23			75	24	83	26	83	26
80,001 - 85,000																										1				2		2		2	
85,001 - 89,999																				1		1				1				2		3		3	
90,000 - 95,000																					2		2									2		2	
95,001 - 100,000																																			
100,001 - 104,999																				1		1										1		1	
TOTAL WEIGHED	14	17	45	136	687	1	95	459	1032	91	162	xxxxx	xxxxx	175	213	113	163	5		323	422	xxxxx	xxxxx	7	31	126	175	17		xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
TOTAL COUNTED	95	564	158	2445	2546	1	416	1077	1763	141	169	3664	4894	258	223	139	169	6		424	431	827	823	17	38	205	181	18		240	219	1067	1042	4731	5936

TABLE W-6

STATE OF MONTANA

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS VIOLATING ONE OR MORE OF MONTANA'S STATUTORY LIMITS OR ONE OR MORE OF THE A.A.S.H.O.'S. RECOMMENDATIONS AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957

STATION NUMBER	VEHICLE TYPE DESIGNATION	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								PERCENTAGE OVER A.A.S.H.O.							
																	AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLEGROUP		AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLEGROUP	
					A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PER CENT	B	C	D	E	F		AXLE GROUP	PER CENT
											FT.	FT.	FT.	FT.	FT.	FT.																
2	3S2	Gas	H	744	99	161	162	161	161														B-C	0.9							B-C	0.9
	3S2	Propane	H	713	95	164	164	145	145														B-C	2.3								
		Road																														
2*	2D	Oil	P	252	61	191											6.1								6.1							
	2S1	Hay	P	445	82	182	181										1.1	0.6							1.1	0.6						
	3-2	Gas	H	760	87	165	165	174	169														B-C	3.1							B-C	3.1
		Water-																														
	2-D	melon	H	315	118	197											9.4								9.4							
		Crude																														
3	3-2	Oil	H	755	79	158	158	181	179										0.6								0.6					
	2S2	Pipe	H	568	080	166	161	161															C-D	0.6							C-D	0.6
	3S2	Meat	H	700	088	161	161	145	145														B-C	0.6							B-C	0.6
	2S2	Freight	P	527	81	184	131	131									2.2								2.2							
4	3-2	Gas	P	752	87	157	157	175	176		16.0	4.4	17.0	18.1		55.5							B-D	0.2						3.6	B-E	9.4
	2S1	Piano	P	407	63	185	159				11.9	29.0				40.9	2.8								2.8							
	3S2	Produce	P	681	79	149	150	151	152		13.5	4.3	25.0	4.3		47.1														2.9	B-E	7.5
		Powdrd.																														
	2S2	Milk	P	586	110	181	147	148			13.1	18.3	4.3			35.7	0.6								0.6					1.7	B-D	2.1
	2S2	Fruit	P	623	125	175	161	162			15.2	17.6	4.2			37.0							C-D	0.9						6.6	B-D	9.0
	2-D	Wheat	P	220	39	181					13.0					13.0	0.6								0.6							
	2S2*	Equip.	P	458	74	188	98	98									4.4								4.4							
	3S2*	Freight	P	515	84	185	123	123									2.8								2.8							
	2D*	Steel	P	231	30	201											11.7								11.7							
	2S1	Furn.	P	402	56	155	191											6.1								6.1						
		Crude																														
5*	3-2	Oil	P	702	101	124	124	172	181											0.6								0.6				
	2-D	Dirt	P	234	50	184											2.2								2.2							
		Froz.																														
	2S2	Meat	P	568	86	196	143	143									8.9								8.9							
	2S2	Freight	P	547	82	183	141	141									1.7								1.7							
		Farm																														
	2S1	Mchnry.	P	404	51	169	184											2.2								2.2						
6*	2D	Beer	P	260	073	187					14.4					14.4	3.9								3.9							

*No measurements available.

TABLE W-6

STATE OF MONTANA

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS VIOLATING ONE OR MORE OF MONTANA'S STATUTORY LIMITS OR ONE OR MORE OF THE A.A.S.H.O.'S. RECOMMENDATIONS AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957

STATION NUMBER	VEHICLE TYPE DESIGNATION	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								PERCENTAGE OVER A.A.S.H.O.							
																	AXLE LOAD						MAXIMUM AXLEGROUP		AXLE LOAD						MAXIMUM AXLEGROUP	
					A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F	GROSS WEIGHT	AXLE GROUP	PER CENT	B	C	D	E	F	GROSS WEIGHT	AXLE GROUP	PER CENT
											FT.	FT.	FT.	FT.	FT.	FT.																
6*	3-2	Oil Frozen	P	804	103	184	145	182	190								2.2		1.1	5.6			B-C	2.8	2.2		1.1	5.6			B-C	2.8
	2S2	Beets	P	562	92	200	127	143									11.1								11.1							
	2S1	Sand	P	434	72	181	181										0.6	0.6							0.6	0.6						
	3S2	Cat	H	881	103	192	192	203	191								6.7	6.7	12.8	6.1			D-E	23.1	6.7	6.7	12.8	6.1			D-E	2.31
	3-2	Gas	P	785	97	151	164	182	191										1.1	6.1							1.1	6.1				
	2S2	Freight	P	527	78	193	131	125									7.2								7.2							
7	3-2	Rd Oil	H	702	95	146	146	154	161		17.2	4.6	15.0	19.0		55.8															B-D	1.6
	3-2	Gas	H	766	94	161	161	175	175		17.2	4.4	14.7	19.2		55.5						0.3	B-D	5.3						5.5	B-D	15.6
	3-2	Gas	H	759	87	160	160	178	174		17.0	4.3	18.2	16.2		55.7														4.5	B-E	12.0
	2S2	Pipe	H	592	76	196	160	160			16.2	21.0	4.0			41.2	8.9								8.9						B-D	6.7
	3-2	Gas	H	772	98	158	158	179	179		13.2	4.3	21.3	16.8		55.6						0.5								6.4	B-E	8.1
	2D	Frt. Crude	P	253	63	190					16.0					16.0	5.6								5.6							
	3-2	Oil	H	685	95	158	158	134	140		19.0	4.4	13.8	18.2		55.4															B-D	6.9
	3-2	Gas	P	756	92	155	155	177	177		17.2	4.3	15.3	18.8		55.6							B-D	1.5						4.1	B-E	12.1
	3-2 *	Gas	P	760	90	159	159	176	176		13.6	4.3	18.1	19.9		55.9														4.7	B-D	8.1
	2S1	Gravel	P	425	66	183	176										1.7								1.7							
	3S2	Gravel	P	680	66	153	153	154	154		12.7	4.2	17.3	4.2		38.4						2.6	B-E	9.4						14.8	B-E	24.7
	2S1	Gravel	P	422	65	183	174										1.7								1.7							
	3-2	Gas	P	764	96	155	155	179	179		17.3	4.5	15.7	19.1		56.6							B-D	1.9						4.2	B-D	11.4
	3-2	Gas	P	742	87	158	158	170	169		18.4	4.4	13.8	19.5		56.1							B-D	4.7						2.2	B-D	15.5
	2D*	People	P	291	108	183											1.7								1.7							
	3-2	Gas	P	745	92	149	149	175	180		17.8	4.4	14.9	17.9		55.0							B-D	0.2						3.6	B-E	11.8
	3-2	Gas Road	H	763	94	156	156	179	178		17.2	4.2	16.6	17.2		55.2						0.4	B-E	0.9						6.1	B-E	13.0
	3-2	Oil	H	718	90	155	155	156	162		16.9	4.4	17.2	17.0		55.5															B-E	4.6
	3-2	Gas	H	755	95	153	153	178	176		17.2	4.2	16.6	17.2		55.2														5.0	B-E	11.4
	3S2	Gas	H	757	92	155	155	177	178		17.2	4.2	15.0	18.6		55.0							B-D	3.2						5.3	B-D	13.3

* No measurements available.

TABLE W-6

STATE OF MONTANA

LISTING [illegible]VING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS VIOLATING ONE OR MORE OF MONTANA'S STATUTORY LIMITS OR ONE OR MORE OF THE A.A.S.H.O.'S. RECOMMENDATIONS AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957

STATION NUMBER	VEHICLE TYPE DESIGNATION	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								PERCENTAGE OVER A.A.S.H.O.							
																	AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLEGROUP		AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLEGROUP	
					A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PER CENT	B	C	D	E	F		AXLE GROUP	PER CENT
											FT.	FT.	FT.	FT.	FT.	FT.																
8	3-2	Gas	P	769	96	157	157	180	179		17.4	4.4	14.9	19.4		56.1						0.7	B-D	4.7						5.9	B-D	14.9
	3S2	Pipe	P	622	74	135	135	139	139		12.4	4.5	21.2	4.4		42.5															B-E	4.1
	3S2	Grain	P	691	92	148	148	151	152		13.7	4.3	21.9	4.3		44.2						1.6								8.1	B-E	12.0
	3S2	Barley	P	696	87	152	153	152	152		15.3	4.2	25.6	4.3		49.4														2.9	B-E	8.8
	2S1	Furn.	P	373	45	145	183				9.4	27.3				36.7		1.7								1.7						
	3-2	Gas	P	741	88	155	156	170	172		17.3	4.1	14.4	19.1		54.9							B-D	1.9						3.1	B-D	11.9
	3-2	Gas	P	760	87	163	163	176	171														B-C	1.9							B-C	1.9
	3-2	Gas	P	764	94	158	158	179	175		17.1	4.5	15.6	19.2		56.4							B-D	3.1						5.2	B-D	12.8
	3-2	Gas	P	755	96	152	152	173	182		15.6	4.4	15.1	18.7		53.8				1.1		0.4	A-E	0.4				1.1		6.0	B-E	11.3
	3S2	Bldg. Matrl.	P	681	79	143	143	158	158		15.8	4.6	23.8	4.6		48.8														0.7	B-E	9.1
	3S2	Wheat	H	716	90	159	159	154	154		17.4	4.4	24.5	4.2		50.5							B-E	0.9						3.7	B-E	13.5
	3-2	Gas	P	749	93	159	159	166	172		18.6	4.2	14.7	17.7		55.2							B-D	2.5						4.2	B-D	12.6
	3S2 *	Acid	H	707	95	154	154	152	152		17.6	4.3	29.0	4.0		54.9															B-E	4.8
	3-2 *	Gas	P	778	99	159	159	181	180										0.6								0.6					
	3-2 *	Gas	P	746	93	149	149	174	181											0.6								0.6				
9*	2D	Coke	P	253	63	190											5.6								5.6							
	3-2	Prop.	P	778	97	165	165	180	171														B-C	3.1							B-C	3.1
	3-2	Gas	P	765	89	161	161	177	177														B-C	0.6							B-C	0.6
	3-2	Diesel	P	762	96	161	161	172	172														B-C	0.6							B-C	0.6
	3-2	Lumber	H	895	109	194	194	165	233								7.8	7.8		29.4			B-C	21.3	7.8	7.8		29.4			B-C	21.3
	3-2	Gas	P	757	96	148	148	180	185											2.8								2.8				
	3S2	Logs	P	693	100	163	163	133	134														B-C	1.9							B-C	1.9
	3S2	Logs	P	690	70	129	129	181	181										0.6	0.6			D-E	13.1			0.6	0.6			D-E	13.1
	3S2	Lumber	P	753	98	146	146	173	190											5.6								5.6				
	2 D	People	P	283	94	189											5.0								5.0							
	2 D	People	P	285	95	190											5.6								5.6							

* No measurements available.

TABLE W-6

STATE OF MONTANA

LISTING S[illegible]NG TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS VIOLATING ONE OR MORE OF MONTANA'S [illegible]ATUTORY LIMITS OR ONE OR MORE OF THE A.A.S.H.O.'S. RECOMMENDATIONS AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957

STATION NUMBER	VEHICLE TYPE DESIGNATION	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								PERCENTAGE OVER A.A.S.H.O.							
																	AXLE LOAD						MAXIMUM AXLEGROUP		AXLE LOAD						MAXIMUM AXLEGROUP	
					A	B	C	D	E	F	A-B FT.	B-C FT.	C-D FT.	D-E FT.	E-F FT.	WHEEL BASE FT.	B	C	D	E	F	GROSS WEIGHT	AXLE GROUP	PER CENT	B	C	D	E	F	GROSS WEIGHT	AXLE GROUP	PER CENT
9	2D	People	P	284	102	182											1.1								1.1							
10	3S2*	Cement	P	723	89	154	154	163	163														D-E	1.9								D-E	1.9
	3-2	Fuel Oil	P	752	86	162	162	175	167														B-C	1.2								B-C	1.2
	3-2	Fuel Oil	H	760	97	153	153	176	181											0.6								0.6				
	3S2	Cinder Blocks	H	718	96	163	163	148	148														B-C	1.9								B-C	1.9
	3S2	C. Gro.	P	738	82	166	166	162	162														B-C	3.8								B-C	3.8
	3S2	Mach.	P	642	104	174	174	95	95														B-C	8.8								B-C	8.8
	2S2	Feed	P	551	53	182	158	158									1.1								1.1							
	3S2	Logs	P	725	85	157	157	163	163		17.6	4.4	23.5	4.0		49.5						0.7	B-E	4.6	1.9					4.5	B-E	17.9
	2S2	Mach.	P	542	97	181	132	132									0.6								0.6							
	3S2	Bottles	P	649	89	131	131	149	149		15.3	4.4	18.7	4.2		42.6														2.8	B-E	11.8
	3S2	Cement	H	691	89	146	146	155	155		17.6	4.2	23.0	4.2		49.0														2.2	B-E	12.5
	2S1-2	News Print	H	746	100	168	156	165	157		19.0	9.4	18.3	9.9		56.6														1.8	B-E	9.1
	2S2	Milk	P	556	77	168	155	156			11.3	18.7	4.2			34.2															B-D	2.8
	3S2	Eggs	H	642	74	138	138	146	146		10.2	4.3	22.6	4.2		41.3														4.3	B-E	6.2
	3S2	Logs	P	723	77	165	165	158	158		15.6	4.4	25.8	4.2		50.0						0.4	B-C	3.1						5.8	B-E	15.4
	2S2	Beer	P	582	87	179	158	158			13.9	18.4	4.2			36.5															B-D	6.2
	3S2	Logs	P	718	76	148	148	173	173		17.2	4.2	22.6	4.1		48.1						2.0	D-E	8.1						7.3	B-E	20.0
	3S2	Logs	P	668	68	145	145	155	155		14.3	4.2	18.9	4.2		41.6							B-E	5.4						7.1	B-E	5.4
11	3S2	Cement Pipe	H	648	88	139	138	142	141		18.0	4.2	24.0	4.2		50.4															B-E	3.1
	3-2	Rd.Oil	H	752	101	153	154	173	171		16.3	4.2	18.4	16.1		55.0														4.6	B-E	8.5
	3-2**	Crusher	P	741	101	148	148	172	172		18.8	4.2	26.2	4.2		53.4							D-E	7.5						5.1	B-E	12.7
	3-2	Oil	H	743	92	146	147	180	178		14.5	4.2	18.4	18.5		55.6														2.3	B-E	5.7
	3-2	Lumber	H	723	105	153	152	166	147		17.1	4.2	20.5	12.4		54.2														1.5	B-E	5.8
	3S2	Conc. Pipe	H	651	85	139	139	144	144		17.8	4.2	23.8	4.2		50.0															B-E	4.2
	3-2	Gas	P	769	105	159	158	176	171		17.4	4.2	14.8	18.6		55.0						1.2	B-D	4.4						7.0	B-D	14.7

TABLE W-6

STATE OF MONTANA

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS VIOLATING ONE OR MORE OF MONTANA'S STATUTORY LIMITS OR ONE OR MORE OF THE A.A.S.H.O.'S. RECOMMENDATIONS AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957

STATION NUMBER	VEHICLE TYPE DESIGNATION	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								PERCENTAGE OVER A.A.S.H.O.							
																	AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP		AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP	
					A	B	C	D	E	F	A-B	B-C	C-D	D-E	E-F	WHEEL BASE	B	C	D	E	F		AXLE GROUP	PER CENT	B	C	D	E	F		AXLE GROUP	PER CENT
											FT.	FT.	FT.	FT.	FT.	FT.																
11	3S2	Feed	P	696	85	147	147	158	159		16.2	4.4	26.6	4.2		51.4														0.8	B-E	7.6
	3S2	Frozen Fruit	H	666	80	147	147	146	146		17.5	4.4	22.8	4.0		48.7															B-E	9.5
	3S2	Freight	H	656	88	138	137	147	146		10.9	4.2	23.7	4.2		43.0														4.0	B-E	4.6
	3-2	Fuel Oil	H	764	96	159	158	176	175		15.0	4.4	19.6	16.8		55.8														5.2	B-E	8.5
	3-2	Logs	P	722	48	175	175	162	162		14.4	4.0	17.8	4.4		40.6						6.2	B-E	20.1						17.2	B-E	36.9
	2S1	Pre Fab	H	340	39	120	181				15.0	19.5				34.5		0.6								0.6						
	3S2	Logs	P	674	81	147	148	149	149		16.4	4.3	22.3	4.3		47.3														1.9	B-E	10.9
	3S2	Eggs	H	680	77	153	154	148	148		12.8	4.3	24.5	4.2		45.8														4.0	B-E	9.3
	2S2	Logs	P	528	76	179	136	137			13.2	15.2	4.2			32.6															B-D	5.1
	3S2	Lumber	P	694	75	148	149	161	161		15.0	4.2	25.6	4.2		49.0							D-E	0.6						2.6	B-E	10.6
	3-2	Fuel Deisel	P	766	94	159	159	177	177		17.5	4.4	13.6	20.2		55.7						0.3	B-D	6.7						5.5	B-D	17.6
	3S2	Logs	P	649	71	148	148	141	141		15.2	4.4	24.8	4.0		48.4															B-E	4.8
	3S2	Cement	H	725	86	161	161	159	158		17.0	4.3	24.5	4.1		49.9						0.7	B-E	3.0						6.1	B-E	15.8
	3S2 **	Loader	P	1031	105	250	250	213	213		17.0	4.6	23.6	4.2		49.4	38.9	38.9	18.3	18.3		44.8	B-C	56.3	38.9	38.9	18.3	18.3		52.5	B-E	70.4
	3S2	Logs	H	754	83	166	165	170	170		17.3	4.2	22.4	4.0		47.9						7.1	B-E	11.2						12.7	B-E	25.4
	3S2	Logs	P	599	77	120	121	140	141		16.4	4.2	18.0	4.0		42.6															B-E	6.1
	3S2	Straw-berries	H	648	88	138	138	142	142		12.8	4.4	24.0	4.2		45.4														0.2	B-E	1.5
	3S2	Logs	P	689	86	149	149	152	153		17.6	4.4	24.4	4.4		50.8															B-E	9.3
	3S2	Logs	P	694	71	153	154	158	158		17.3	4.2	22.4	4.0		47.9							B-E	3.2						3.7	B-E	16.5
	3S2	Logs	H	704	68	159	160	159	158		15.6	4.0	24.0	4.1		47.7							B-E	3.9						5.2	B-E	17.1
	3S2	Cement	P	726	87	161	160	159	159		17.0	4.2	24.5	4.0		49.7						0.8	B-E	3.0						6.2	B-E	15.8
	3S2	Logs	H	703	85	156	157	152	153		16.4	4.2	22.2	4.2		47.0						1.0	B-E	2.4						6.3	B-E	15.5
	3S2	Straw-berries	P	658	59	153	154	146	146		11.0	4.4	25.6	4.2		45.2														1.8	B-E	7.0
	3S2	Meat	H	646	90	134	134	144	144		12.2	4.2	14.8	4.2		35.4						1.3	B-E	10.3						13.7	B-E	19.3
	2S2	Pigs	H	560	71	187	151	151			13.2	19.5	4.3			37.0	3.9								3.9						B-D	3.0
	3S2	Propane	P	648	78	138	138	147	147		13.7	4.4	26.9	4.0		49.0															B-E	0.4

TABLE W-6

STATE OF MONTANA

LISTING SHOWING TOTAL WEIGHT, AXLE LOADS AND AXLE SPACING OF TRUCKS AND TRUCK COMBINATIONS VIOLATING ONE OR MORE OF MONTANA'S STATUTORY LIMITS OR ONE OR MORE OF THE A.A.S.H.O.'S. RECOMMENDATIONS AT 10 LOADOMETER STATIONS DURING THE PERIOD FROM JUNE 17 TO AUGUST 22, 1957

STATION NUMBER	VEHICLE TYPE DESIGNATION	COMMODITY CARRIED	PRIVATE OR FOR-HIRE	TOTAL WEIGHT	AXLE LOADS						AXLE SPACING						PERCENTAGE OVER STATE LAW								PERCENTAGE OVER A.A.S.H.O.							
																	AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP		AXLE LOAD					GROSS WEIGHT	MAXIMUM AXLE GROUP	
					A	B	C	D	E	F	A-B FT.	B-C FT.	C-D FT.	D-E FT.	E-F FT.	WHEEL BASE FT.	B	C	D	E	F		AXLE GROUP	PER CENT	B	C	D	E	F		AXLE GROUP	PER CENT
11	2S2	Equip.	H	463	92	189	91	91			14.8	24.5	4.1			43.4	5.0								5.0							
	3S2	Gro.	P	656	88	161	162	123	123		14.8	4.4	27.2	4.2		50.6							B-C	0.9								B-C	0.9
	3S2	Sugar	P	694	87	155	156	148	148		18.7	4.2	26.6	4.0		53.5																B-E	6.9
	2S2	Produce	H	593	85	182	163	163			13.0	20.4	4.2			37.6	1.1						C-D	1.9	1.1						0.1	B-E	5.1
	3S2	Logs	P	680	73	148	148	155	156		15.3	4.4	23.6	4.2		47.5															1.7	B-E	11.7
	3-2	Lumber	H	740	78	156	156	174	176		14.0	4.2	16.2	13.7		48.1						5.1	B-E	5.2							10.6	B-E	18.2
	3S2	Fish	H	670	66	144	144	158	158		12.0	4.2	23.6	4.0		43.8															4.9	B-E	11.2
	2D*	People	H	280	98	182											1.1								1.1							
	3S2	Freight	H	631	78	133	133	144	144		10.6	4.2	23.8	4.0		42.6																B-E	1.8
	3S2	Logs	P	654	88	151	151	132	132		17.3	4.0	25.2	3.9		50.4																B-E	2.6
	2S2	Freight	H	595	85	184	163	163			14.6	18.7	4.3			37.6	2.2						C-D	1.9	2.2						0.5	B-E	9.5

*No Measurements Available. ** Permit.